

PPL13 PROJECT NOMINEE FACT SHEET

March 12, 2003

Project Name:

Shoreline Stabilization of Plumb Island Point to Palmetto Bayou

Coast 2050 Strategy:

Regional Strategy: Maintain shoreline integrity in Caillou, Terrebonne and Timbalier Bays.

Mapping Unit Strategy: Protect bay/lake and gulf shorelines.

Project Location

Region 3, Terrebonne Basin, Parish, The project is located in the Atchafalaya Subdelta mapping unit and is east of Atchafalaya Bay and approximately 18 miles south of Morgan City.

Problem

The shoreline extending from Plumb Island Point to Palmetto Bayou provides a significant barrier to floating marsh habitat from high-energy wave action in Atchafalaya Bay. However, recent tropical storm events in the Gulf of Mexico have created several narrow breaches along the existing shoreline leading to interior marsh deterioration and extended marsh recovery periods. Habitat located behind the existing shoreline is increasingly prone to tidal influences that are normally not so prevalent with an intact and stable shoreline.

Goals

The goal of the project is to repair or close several narrow breaches along the existing shoreline.

Proposed Solution

The proposed solution is to plug shoreline breaches with earthen material, rock, or some other suitable material to reduce marsh loss due to increased tidal fluctuations behind the existing shoreline.

Preliminary Project Benefits

The project would protect an area of approximately 1,886 acres by repairing shoreline breaches created as a result of recent tropical storm events allowing a longer recovery period for impacted marsh.

Compatibility with Coast 2050 Criteria

Provide narrative addressing each criterion. Please note that there will be NO point score assigned to each of the criterion.

Wetland Elevation/Sustainability

The wetland area being protected is predominantly a floating marsh habitat. Plugging breaches in the shoreline would achieve sustainability by allowing recovery of floating marsh. Approximately 1,886 acres of life would be sustained over the project life.

Ecosystem Influence Area

The proposed project would directly benefit an area of approximately 1,886 acres and would provide indirect benefits to any marsh adjacent to the current limits of the project boundary.

Structural Framework

Plugs constructed in breaches would maintain the structural integrity of the existing shoreline over the life of the project.

Infrastructure

The project would not have any impact to critical or non-critical infrastructure.

Organism and Material Linkages

Structures used for the project would allow moderately less exchange of organisms and material, but will remain consistent with the sustainability of the ecosystem.

Coast 2050 Habitat Objectives

Habitat currently located in the project area consists predominantly of floating freshwater marshes. The project would maintain the shoreline and achieve the Coast 2050 habitat objective for this area by maintaining shoreline integrity and floating marsh.

Project Synergy

The project would not have any synergistic effect with other approved CWPPRA restoration projects.

Preliminary Construction Costs

This project has an estimated construction cost of \$1,000,000 including 25% contingencies.

Preparer of Fact Sheet

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